

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/719,892
Filing Date	November 21, 2003
First Named Inventor	David W. Nippa
Art Unit	2874
Examiner Name	
Attorney Docket Number	OPI 0004 PA/41004.11

Sheet 1 of 5

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
JR		US- 3,558,213	01/26/1971	Marcatili	
		US- 3,589,794	06/29/1971	Marcatili	
		US- 3,850,503	11/26/1974	Riseberg et al.	
		US- 4,070,094	01/24/1978	Martin	
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		US- 4,737,014	04/12/1988	Green	
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		US- 5,581,642	12/03/1996	Deacon et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>6</sup> (if known)				
JR		EP 0335672 A	10/04/1989	Nippon Electric Co.		
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		JP 05 323243 (Abstract)	12/07/1993	Nippon		
		JP 09 090299 (Abstract)	04/04/1997	Nippon		
		EP 0898348 A	02/24/1999	Nippon Electric Co.		

Examiner  
Signature

/Jerry Rahll/

Date  
Considered

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Sheet 2 of 5

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JR		US- 5,659,010	08/19/1997	Sotoyama et al.		
↓		US- 5,703,710	12/30/1997	Brinkman et al.		
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JR						
↓		WO 03/010592 A2	02/06/2003	Battelle Memorial		
		WO 03/012532 A2	02/13/2003	Digilens, Inc.		

Date	Considered
11/1/78	11/1/78
11/2/78	11/2/78
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JR		US- 6,144,779	11/07/2000	Binkley et al.	
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		US- 6,195,479	02/27/2001	Pan	
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Examiner Signature	/Jerry Rahl1/	Date Considered	06/07/2006
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<b>Sheet</b>	4	of	5
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**NON PATENT LITERATURE DOCUMENTS**

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		Interferometric-Type Polarisation Splitter On Z-Propagating LiNbO3; Ti; Electronics Letters; 1990	
↓		OH HYUN-HO et al.; Polarization-Independent Phase Modulator Using Electro-optic Polymer; Electronics Letters, IEE Stevenage, GB, Vol. 36, No. 11; 25 May 2000; pp. 969-970	

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JR		YOSHITO SHUTO et al.; Optical Intensity Modulators Using Diazo-Dye Substituted Polymer Channel Waveguides; IEEE Journal of Quantum Electronics, IEEE Inc., Vol. 31, No. 8, 1 August 1995, pps. 1451-1460	
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JR		EP 0 421 075 A	04-10-1991	IBM		

**Examiner  
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/Jerry Rahl/

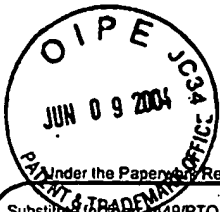
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JR		SHI Y ET AL: "ELECTRO-OPTIC POLYMER MODULATORS WITH A 0.8 V HALF-WAVE VOLTAGE", Applied Physics Letters, American Institute of Physics, New York, U.S., Vol. 77, No. 1, 3 July 2000, pgs. 1-3.	
JR		MIN YOO HONG ET AL: "MACH-ZEHNDER ELECTRO-OPTIC MODULATOR BASED ON ORGANIC-SILICA SOL-GEL HYBRID FILMS", Electronics Letters, IEE Stevenage, G.B., Vol. 35, No. 20, 30 September 1999, pgs. 1770-1771.	
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06/07/2006

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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